

PROJECT DESCRIPTION

THIS PROJECT INVOLVES MODIFYING THE EXISTING TRAFFIC CONTROL SIGNAL TO UPGRADE THE PEDESTRIAN CROSSINGS WITH COUNTDOWN PEDESTRIAN SIGNALS, AUDIBLE TACTILE PUSHBUTTONS AND ADA COMPLIANT SIDEWALK RAMPS AND UPGRADE THE ELECTRICAL SERVICE AT THE INTERSECTION OF MD 150 (EASTERN BOULEVARD) AND OLD EASTERN AVENUE/ SEAMASTER ROAD IN BALTIMORE COUNTY, MARYLAND.

MD 150 (EASTERN BOULEVARD) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED. THE CABINET WILL BE RETROFITTED TO OPERATE APS EQUIPMENT.

TYPICAL MESSAGES FOR ACCESSIBLE PEDESTRIAN SIGNALS

MD 150 (EASTERN BOULEVARD) AND SEAMASTER ROAD/OLD EASTERN AVENUE - WEST LEG

STREETS AT 90 DEGREES

WAIT: "WAIT TO CROSS EASTERN AT SEAMASTER AND OLD EASTERN, WAIT"*
WALK: RAPID TICK

SEAMASTER ROAD AND MD 150 (EASTERN BOULEVARD) - NORTH LEG

STREETS AT 90 DEGREES

WAIT: "WAIT TO CROSS SEAMASTER AT EASTERN, WAIT"*
WALK: RAPID TICK

OLD EASTERN AVENUE AND MD 150 (EASTERN BOULEVARD) - SOUTH LEG

STREETS AT 90 DEGREES

WAIT: "WAIT TO CROSS OLD EASTERN AT EASTERN, WAIT"*
WALK: RAPID TICK

*MESSAGE USED IF DISTANCE FROM NEAREST PUSHBUTTON FOR PERPENDICULAR CROSSING IS <10'

NOTE: MESSAGES FOR INTERSECTION CONFIGURATIONS, VARYING FROM THE ABOVE ARE TO BE APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

STANDARD NO. MD-104.03-06 (RIGHT LANE CLOSURE \leq 40 MPH)
STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE, DIVIDED HIGHWAY, > 40 MPH)
STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE, DIVIDED HIGHWAY, > 40 MPH)
STANDARD NO. MD-104.04-13 (LEFT TURN BAY CLOSURE)
STANDARD NO. MD-104.04-15 (INTERSECTION LEFT LANE, TURN BAY)

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	EACH	DESCRIPTION
9571	6	SF	SHEET ALUMINUM SIGNS TO CONSIST OF: -(2) R10-3(1) (9"x15") - "PUSH BUTTON TO CROSS EASTERN BLVD" -(2) R10-3(1) (9"x15") - "PUSH BUTTON TO CROSS SEAMASTER RD" -(2) R10-3(1) (9"x15") - "PUSH BUTTON TO CROSS OLD EASTERN AVE"

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MS. ERIN KUHN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 229-2381

MR. ANDRE FUTRELL
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 229-2361

MR. MIKE PASQUARIELLO
DISTRICT UTILITY ENGINEER
PHONE: (410) 229-2341

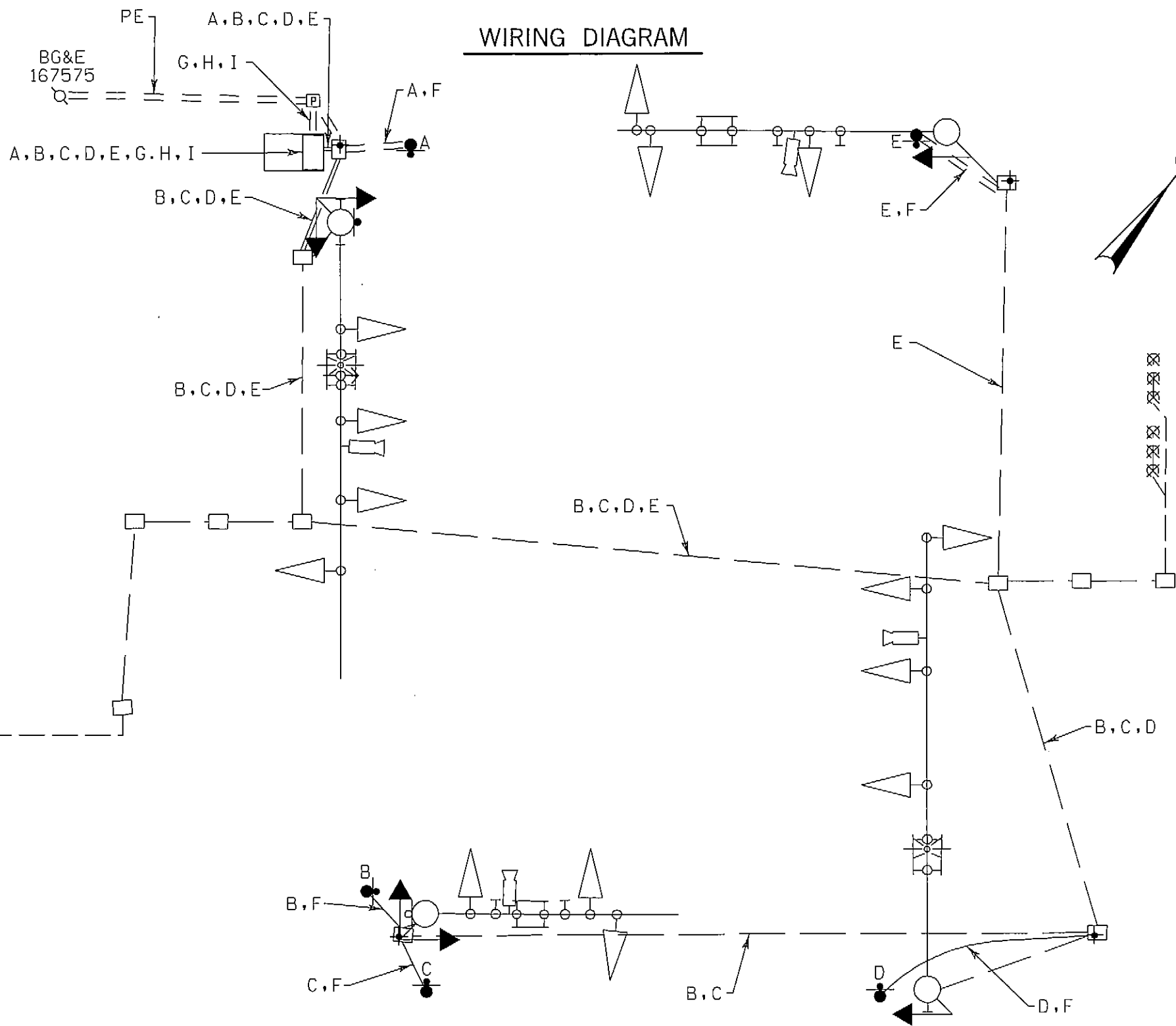
MR. ROBERT SYNDER
ASSISTANT CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (443) 572-5229

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	EACH	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC
2001	5	CY	CLASS 2 EXCAVATION
2002	5	CY	TEST PIT EXCAVATION
5003	550	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS
5004	600	LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
6001	325	LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
6002	1250	SF	5 INCH CONCRETE SIDEWALK
6003	115	SF	DETECTABLE WARNING SURFACE FOR CURB RAMPS (TYPE 3 BRICK PAVERS)
8001	44	EA	12" LED SIGNAL HEAD SECTION
8002	1	EA	2-WIRE CENTRAL CONTROL UNIT
8008	6	EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
8009	5	EA	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8012	1	EA	EMBEDDED METERED SERVICE PEDESTAL
8013	5	EA	INSTALL BREAKAWAY PEDESTAL POLE - ANY SIZE
8015	6	EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD
8023	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8038	200	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8040	6	SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8041	100	SF	REMOVE & RESET DECORATIVE BRICK SIDEWALK
8042	100	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8045	50	LF	ELECTRICAL CABLE 1-CONDUCTOR NO. 8 AWG-THHN/THWN
8053	1500	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)



WIRING KEY

A B C D E } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

F } NO. 6 AWG STRANDED BARE COPPER GROUND WIRE

G H I } 1-CONDUCTOR ELECTRICAL CABLE (NO. 8 AWG)

PE - PROPOSED UNDERGROUND ELECTRICAL SERVICE

+ - 3/4 IN. X 10 FT. GROUND ROD

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 150 (Eastern Boulevard) at Old Eastern Avenue/Seamaster Road
Baltimore, Maryland

GENERAL INFORMATION SHEET

SCALE N.T.S. DATE 06/01/2011 CONTRACT NO. XX6455185

DESIGNED BY J.D.C. COUNTY Baltimore

DRAWN BY J.D.C. LOGMILE 03015005.49

CHECKED BY N.M.L. TIMS NO. K311

F.A.P. NO. TOD NO.

TS NO. 4241 D DRAWING TSP-3 OF 3 SHEET NO. 3 OF 3

PHASE CHART

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

PHASE 1 AND 5	◀G-	◀G-	R	R	◀G-	◀G-	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 1 AND 5 CHANGE	PHASE 1 AND 5 MAY CHANGE TO PHASE 1 AND 6, PHASE 2 AND 5 OR PHASE 2 AND 6																		
PHASE 1 AND 6	◀G-	◀G-	G	G	◀R-	◀R-	R	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW
PHASE 1 AND 6 CHANGE	◀Y-	◀Y-	G	G	◀R-	◀R-	R	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW
PHASE 2 AND 5	◀R-	◀R-	R	R	◀G-	◀G-	G	G	R	R	R	R	R	WK	DW	DW	WK	DW	DW
PHASE 2 AND 5 CHANGE	◀R-	◀R-	R	R	◀Y-	◀Y-	G	G	R	R	R	R	R	WK	DW	DW	WK	DW	DW
PHASE 2 AND 6	◀R-	◀R-	G	G	◀R-	◀R-	G	G	R	R	R	R	R	WK	WK	WK	WK	DW	DW
PED CLEARANCE	◀R-	◀R-	G	G	◀R-	◀R-	G	G	R	R	R	R	R	FLDW	FLDW	FLDW	FLDW	DW	DW
PHASE 2 AND 6 CHANGE	◀R-	◀R-	Y	Y	◀R-	◀R-	Y	Y	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 4 AND 8	◀R-	◀R-	R	R	◀R-	◀R-	R	R	G	G	G	G	G	DW	DW	DW	DW	DW	DW
PHASE 4 AND 8 CHANGE	◀R-	◀R-	R	R	◀R-	◀R-	R	R	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 4 AND 8 ALT	◀R-	◀R-	R	R	◀R-	◀R-	R	R	G	G	G	G	G	DW	DW	DW	DW	WK	WK
PED CLEARANCE	◀R-	◀R-	R	R	◀R-	◀R-	R	R	G	G	G	G	G	DW	DW	DW	DW	FLDW	FLDW
PHASE 4 AND 8 ALT CHANGE	◀R-	◀R-	R	R	◀R-	◀R-	R	R	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW
PRE-EMPTION	◀R-	◀R-	R	R	◀G-	◀G-	G	G	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PRE-EMPTION CHANGE	◀R-	◀R-	R	R	◀Y-	◀Y-	Y	Y	R	R	R	R	R	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	◀FLR	◀FLR	FLY	FLY	◀FLR	◀FLR	FLY	FLY	FLR	FLR	FLR	FLR	FLR	PARK	PARK	PARK	PARK	PARK	PARK

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